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Water-Data Report 2008

**01594440 PATUXENT RIVER NEAR BOWIE, MD**

Upper Chesapeake Basin  
Patuxent Subbasin

LOCATION.--Lat 38°57'21.3", long 76°41'37.3" referenced to North American Datum of 1983, Anne Arundel County, MD, Hydrologic Unit 02060C06, on left bank 45 ft upstream from bridge on U.S. Highway 50 (John Hanson Highway), 3.0 mi east of Bowie City Hall, 3.1 mi downstream from mouth of Little Patuxent River, 4.2 mi northwest of Davidsonville, and 60 mi upstream from mouth.

DRAINAGE AREA.--348 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1955 to June 1977 (gage heights and discharge measurements only), June 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 13.10 ft above National Geodetic Vertical Datum of 1929. Prior to June 27, 1977, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good except those above 10,000 ft<sup>3</sup>/s and those for estimated daily discharges (questionable stage data, missing record), which are fair. Flow regulated by T. Howard Duckett Reservoir, usable capacity 5,600,000,000 gal, 21 mi upstream from station. U.S. Geological Survey gage-height telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,860 ft<sup>3</sup>/s, May 13, gage height, 15.80 ft; minimum discharge, 70 ft<sup>3</sup>/s, Oct. 2-4, 11.

## Water-Data Report 2008

**01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

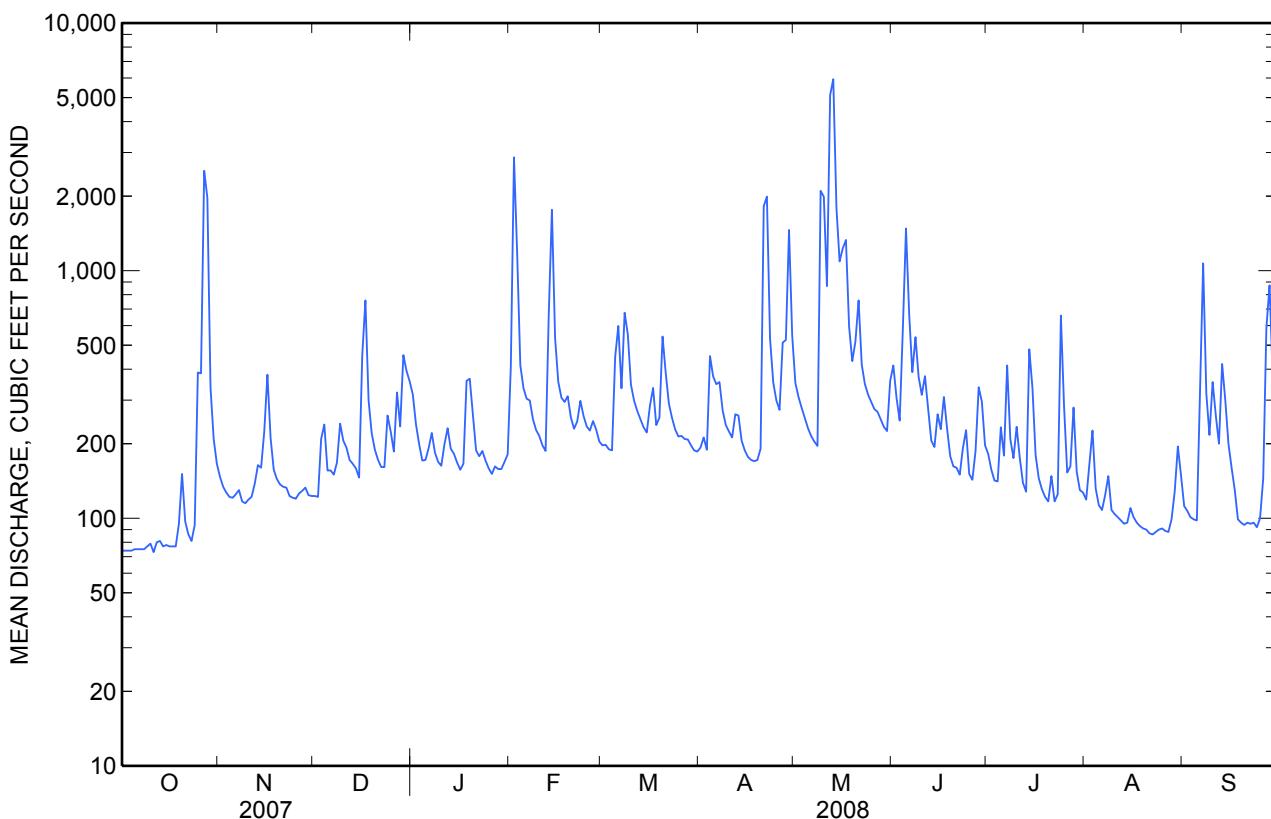
<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	74	147	123	316	410	197	193	352	414	182	119	112
<b>2</b>	74	134	122	239	2,870	198	212	309	307	157	165	107
<b>3</b>	74	127	209	199	1,180	190	189	279	248	142	226	101
<b>4</b>	74	122	239	171	415	188	452	254	578	141	132	99
<b>5</b>	75	121	156	172	335	448	374	231	1,480	233	113	98
<b>6</b>	75	125	156	192	304	598	348	215	667	179	108	323
<b>7</b>	75	130	150	221	299	335	355	204	389	414	124	1,070
<b>8</b>	75	117	168	184	251	676	273	196	539	209	148	319
<b>9</b>	77	115	241	169	227	553	238	2,100	372	175	108	217
<b>10</b>	79	119	206	163	215	346	224	1,990	315	234	104	355
<b>11</b>	73	122	193	199	197	298	212	866	375	175	101	e260
<b>12</b>	80	138	172	231	187	271	263	5,120	277	139	98	e200
<b>13</b>	81	164	166	191	670	251	260	5,930	206	128	95	e420
<b>14</b>	77	160	159	182	1,760	233	206	1,790	194	481	96	e300
<b>15</b>	78	224	146	168	534	222	188	1,090	263	336	110	e200
<b>16</b>	77	380	457	157	356	285	177	1,230	229	180	101	e160
<b>17</b>	77	211	758	166	307	336	172	1,330	309	145	96	e130
<b>18</b>	77	157	299	359	295	238	170	595	230	131	93	99
<b>19</b>	95	144	220	366	311	255	172	431	178	122	91	96
<b>20</b>	151	137	189	262	255	542	e191	517	162	117	90	94
<b>21</b>	97	134	172	188	230	386	e1,820	758	160	148	87	96
<b>22</b>	86	133	161	178	246	290	1,990	418	150	117	86	95
<b>23</b>	81	123	161	187	298	e254	531	348	192	125	88	96
<b>24</b>	94	121	260	171	259	e228	354	316	227	658	90	92
<b>25</b>	388	120	224	159	235	e214	299	295	151	283	91	100
<b>26</b>	385	126	186	151	226	e215	e274	276	143	153	89	145
<b>27</b>	2,530	129	322	162	247	e209	e512	269	187	162	88	586
<b>28</b>	1,970	133	235	158	228	208	525	251	338	280	99	872
<b>29</b>	338	124	456	158	204	197	1,460	234	296	154	128	375
<b>30</b>	209	123	394	169	---	188	548	225	197	130	195	201
<b>31</b>	166	---	357	181	---	186	---	359	---	127	149	---
<b>Total</b>	7,962	4,360	7,457	6,169	13,551	9,235	13,182	28,778	9,773	6,357	3,508	7,418
<b>Mean</b>	257	145	241	199	467	298	439	928	326	205	113	247
<b>Max</b>	2,530	380	758	366	2,870	676	1,990	5,930	1,480	658	226	1,070
<b>Min</b>	73	115	122	151	187	186	170	196	143	117	86	92
<b>Cfsm</b>	0.74	0.42	0.69	0.57	1.34	0.86	1.26	2.67	0.94	0.59	0.33	0.71
<b>In.</b>	0.85	0.47	0.80	0.66	1.45	0.99	1.41	3.08	1.04	0.68	0.37	0.79

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2008, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	271	324	411	464	481	594	516	460	374	238	202	269
<b>Max</b>	1,093	937	1,357	1,316	1,232	1,358	1,247	1,291	1,320	579	532	1,358
(WY)	(1980)	(2004)	(1997)	(1978)	(1979)	(1993)	(1983)	(1989)	(2003)	(1996)	(1979)	(1979)
<b>Min</b>	80.4	108	128	119	142	173	167	154	115	97.3	86.1	65.2
(WY)	(1987)	(1982)	(1999)	(1981)	(2002)	(1981)	(1985)	(1986)	(1991)	(1999)	(1987)	(1986)

**01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>		<b>Water Years 1977 - 2008</b>	
<b>Annual total</b>	107,956		117,750		
<b>Annual mean</b>	296		322		384
<b>Highest annual mean</b>				648	2003
<b>Lowest annual mean</b>				170	2002
<b>Highest daily mean</b>	4,780	Apr 16	5,930	May 13	8,860
<b>Lowest daily mean</b>	70	Sep 26	73	Oct 11	56
<b>Annual seven-day minimum</b>	73	Sep 21	74	Oct 1	57
<b>Maximum peak flow</b>			7,860	May 13	b31,100
<b>Maximum peak stage</b>			15.80	May 13	c27.90
<b>Instantaneous low flow</b>			70	Oct 2 <sup>d</sup>	32
<b>Annual runoff (cfsm)</b>	0.850		0.924		1.10
<b>Annual runoff (inches)</b>	11.54		12.59		14.99
<b>10 percent exceeds</b>	456		527		781
<b>50 percent exceeds</b>	165		197		233
<b>90 percent exceeds</b>	77		96		105

<sup>a</sup> Sept. 17-19, 1986.<sup>b</sup> From rating curve extended above 9,200 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow.<sup>c</sup> From floodmarks.<sup>d</sup> Oct. 2-4, 11.

**01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1978-80, 1985 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1977 to September 1980, October 1984 to September 1991.

WATER TEMPERATURE: December 1977 to September 1980, October 1984 to September 1991.

SUSPENDED-SEDIMENT DISCHARGE: October 1985 to September 1991.

REMARKS.--Water-quality samples are collected from bridge on Governor Bridge Road located 0.3 mi downstream from U.S. Highway 50 (John Hanson Highway).

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Time	Sample medium and type	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, μS/cm 25 degC (90095)
<b>Oct</b>									
03...	1115	QC - Artificial, blank	--	--	--	--	--	8.3	3
03...	1200	Surface water, regular	72	14	765	7.6	7.5	7.7	392
25...	1515	Surface water, regular	481	66	--	7.6	7.2	--	357
<b>Nov</b>									
06...	1130	Surface water, replicate	120	3.9	757	12.6	7.2	--	379
06...	1135	QC - Surface water, replicate	--	--	--	--	--	--	360
15...	1500	Surface water, regular	254	13	750	9.2	7.2	--	332
<b>Dec</b>									
07...	1030	Surface water, regular	151	3.2	770	12.8	7.4	--	456
17...	1230	Surface water, regular	790	--	--	8.1	7.4	--	441
17...	1236	QC - Surface water, replicate	--	30	--	8.1	7.4	--	451
17...	1237	QC - Surface water, replicate	--	--	--	8.1	7.4	--	426
17...	1238	QC - Surface water, replicate	--	--	--	8.2	7.3	--	443
<b>Jan</b>									
03...	1115	Surface water, regular	197	--	775	9.6	7.6	7.6	379
<b>Feb</b>									
02...	1045	Surface water, regular	3,030	140	765	13.3	7.1	--	354
02...	1055	QC - Surface water, replicate	--	--	--	--	--	--	--
08...	1045	Surface water, regular	247	8.3	758	9.5	7.3	--	--
14...	1130	Surface water, regular	2,030	34	765	10.1	7.4	--	--
<b>Mar</b>									
05...	1215	Surface water, regular	345	11	--	9.7	7.3	--	426
09...	0730	Surface water, regular	618	19	761	8.8	7.4	--	434
<b>Apr</b>									
01...	1030	Surface water, regular	186	--	759	11.7	7.5	7.8	376
04...	1100	Surface water, regular	478	--	758	10.8	7.6	--	360
21...	1130	Surface water, regular	1,570	--	764	7.9	7.1	--	282
<b>May</b>									
08...	0915	Surface water, regular	191	--	756	8.1	7.4	--	370
09...	1045	Surface water, regular	2,060	--	748	7.4	7.0	--	161
12...	1015	Surface water, regular	4,990	--	747	9.8	7.1	--	115
<b>Jun</b>									
04...	0915	Surface water, regular	396	--	760	8.9	7.2	--	281
05...	1000	Surface water, regular	1,720	--	765	8.9	7.0	--	192

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Specific conductance, water unf 25 degC (00095)										Residue on evap.		Residue fixed	
	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	180degC wat flt (70300)	at	non-filterable, mg/L (00540)	
<b>Oct</b>														
03...	--	--	--	E.03	<.020	<.02	<.12	--	<.12	<.02	.20	<10	--	
03...	389	26.0	23.9	22.4	5.71	7.84	37.8	55.7	.43	5.78	25.3	204	<10	
25...	353	--	17.1	--	--	--	--	--	--	5.6	--	--	--	
<b>Nov</b>														
06...	377	13.0	11.3	--	--	--	--	--	--	8.9	--	--	1	
06...	--	--	--	--	--	--	--	--	--	8.8	--	--	--	
15...	195	10.0	11.0	--	--	--	--	--	--	8.2	--	--	<10	
<b>Dec</b>														
07...	420	2.0	3.4	--	--	--	--	--	--	8.3	--	--	--	
17...	441	--	3.4	--	--	--	--	--	--	6.7	--	--	--	
17...	441	--	3.4	--	--	--	--	--	--	--	--	--	--	
17...	441	--	3.4	--	--	--	--	--	--	--	--	--	--	
17...	442	--	3.4	--	--	--	--	--	--	--	--	--	--	
<b>Jan</b>														
03...	387	-1.0	2.9	23.1	5.98	4.83	37.3	61.7	.23	8.72	23.9	216	--	
<b>Feb</b>														
02...	353	9.5	2.8	--	--	--	--	--	--	4.6	--	--	104	
02...	--	--	--	--	--	--	--	--	--	4.6	--	--	92	
08...	364	--	7.4	--	--	--	--	--	--	--	--	--	--	
14...	654	3.5	2.1	--	--	--	--	--	--	--	--	--	--	
<b>Mar</b>														
05...	424	--	11.6	--	--	--	--	--	--	7.4	--	--	--	
09...	431	.0	6.5	--	--	--	--	--	--	7.5	--	--	--	
<b>Apr</b>														
01...	387	23.5	11.8	24.2	6.47	4.99	37.5	64.9	.26	6.54	19.9	210	--	
04...	358	14.0	9.7	--	--	--	--	--	--	5.9	--	--	<10	
21...	271	15.0	15.8	--	--	--	--	--	--	4.3	--	--	--	
<b>May</b>														
08...	359	22.0	18.8	--	--	--	--	--	--	7.8	--	--	--	
09...	162	--	17.5	--	--	--	--	--	--	4.1	--	--	110	
12...	112	10.5	12.2	--	--	--	--	--	--	4.0	--	--	87	
<b>Jun</b>														
04...	276	28.0	20.3	--	--	--	--	--	--	7.1	--	--	--	
05...	190	26.5	20.8	--	--	--	--	--	--	5.7	--	--	78	

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Residue total non- filter- able, mg/L (00530)	Residue volatile, sus- pended, mg/L (00535)	Ammonia water, mg/L (00608)	Nitrate + nitrite water, mg/L (00631)	Nitrite water, mg/L (00613)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	Phos- phorus, water, filtrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)
<b>Oct</b>													
03...	<10	<10	.020	<.04	<.002	<.04	<.06	--	<.006	<.006	<.008	<.1	<.04
03...	11	11	.031	1.30	.008	.06	1.84	1.9	.073	.090	.157	.5	<.04
25...	84	<10	.053	1.42	.012	.33	1.92	2.2	.033	.045	.361	4.1	<.04
<b>Nov</b>													
06...	11	10	.087	1.18	.007	.06	1.80	1.9	.031	.048	.110	.6	<.04
06...	<10	<10	.094	1.19	.007	.08	1.66	1.7	.018	.028	.111	.5	E.I
15...	10	16	.046	1.06	.006	.08	1.63	1.7	.009	.039	.105	.7	<.04
<b>Dec</b>													
07...	<10	<10	--	--	--	E.03	--	--	--	--	--	.3	<.04
17...	33	<10	.069	.89	.012	.20	1.36	1.6	.009	.025	.114	1.5	<.04
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Jan</b>													
03...	<10	<10	.127	1.45	.013	E.02	1.90	E1.9	.008	.015	.057	.3	<.04
<b>Feb</b>													
02...	128	24	.096	.72	.011	.49	1.31	1.8	.011	.025	.306	5.1	E.I
02...	114	22	.092	.71	.010	.49	1.77	2.3	.010	.023	.303	4.8	E.I
08...	--	--	.241	1.35	.021	.06	1.93	2.0	.011	.017	.060	.6	E.I
14...	--	--	.095	.84	.010	.17	1.30	1.5	.009	.020	.109	1.5	<.04
<b>Mar</b>													
05...	19	<10	.092	1.38	.019	.12	1.83	2.0	.011	.021	.076	1.0	<.04
09...	36	<20	.042	.87	.011	.13	1.36	1.5	.007	.018	.079	1.3	<.04
<b>Apr</b>													
01...	<10	<10	.071	1.35	.017	E.04	1.78	E1.8	.013	.025	.052	.4	<.04
04...	31	31	.038	1.18	.011	.16	1.74	1.9	.009	.023	.099	1.4	<.04
21...	126	<20	.037	.57	.013	.64	.97	1.6	.011	.025	.258	6.1	E.I
<b>May</b>													
08...	13	<10	.101	1.18	.021	.07	1.70	1.8	.018	.032	.074	.7	<.04
09...	134	24	.076	.50	.013	.62	1.00	1.6	.015	.033	.25	6.5	E.I
12...	98	11	.041	.26	.006	.34	.68	1.0	.023	.035	.257	3.6	<.04
<b>Jun</b>													
04...	36	<20	.077	.74	.017	.16	1.27	1.4	.018	.031	.098	1.4	<.04
05...	108	30	.034	.51	.013	.39	.97	1.4	.018	.033	.194	3.8	<.04

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 4 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Organic carbon, sedimnt total, mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)	Iron, water, filtrd, µg/L (01046)	Manganese, water, filtrd, µg/L (01056)	Suspnd. sediment, percent <62.5um (70331)	Sus-pended sediment, sieve diameter percent (80154)	Sampler type, code (84164)	Sam-pling method, code (82398)	Data base number	Medium code
<b>Oct</b>										
03...	<.1	2.0	<8	<.4	--	<.5	3060	40	33	OAQ
03...	.5	V3.6	178	81.5	--	14	3060	40	01	WS
25...	4.1	4.8	--	--	91	97	3060	40	01	WS
<b>Nov</b>										
06...	.6	5.0	--	--	--	11	3060	40	01	WS
06...	.4	8.4	--	--	--	10	3060	40	33	WSQ
15...	.7	4.6	--	--	93	13	3060	40	01	WS
<b>Dec</b>										
07...	.2	6.9	--	--	--	4	3060	40	01	WS
17...	1.5	5.1	--	--	93	39	3060	10	01	WS
17...	--	--	--	--	95	38	3060	30	33	WSQ
17...	--	--	--	--	94	36	3060	30	33	WSQ
17...	--	--	--	--	97	34	3060	30	33	WSQ
<b>Jan</b>										
03...	.3	7.9	134	175	--	5	3060	40	01	WS
<b>Feb</b>										
02...	5.1	5.3	--	--	--	156	3051	40	01	WS
02...	4.7	6.4	--	--	--	157	3051	40	33	WSQ
08...	.5	3.5	--	--	--	13	3060	40	01	WS
14...	1.5	5.0	--	--	--	50	3053	40	01	WS
<b>Mar</b>										
05...	1.0	3.9	--	--	--	25	3060	40	01	WS
09...	1.3	4.8	--	--	--	31	3060	40	01	WS
<b>Apr</b>										
01...	.4	2.8	348	124	--	8	3060	40	01	WS
04...	1.4	5.0	--	--	--	36	3060	40	01	WS
21...	6.0	6.0	--	--	--	148	3053	10	01	WS
<b>May</b>										
08...	.7	4.5	--	--	--	20	3060	40	01	WS
09...	6.3	6.5	--	--	--	181	3053	10	01	WS
12...	3.6	6.3	--	--	--	163	3053	10	01	WS
<b>Jun</b>										
04...	1.4	5.3	--	--	--	32	3060	40	01	WS
05...	3.8	6.4	--	--	--	106	3053	10	01	WS

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 5 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Time	Sample medium and type	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfiltrd field, std units (00400)	pH, water, unfiltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, μS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unf μS/cm 25 degC (00095)
<b>Jul</b>									
02...	0830	Surface water, regular	158	764	8.7	7.4	--	--	322
05...	0900	Surface water, replicate	232	762	8.5	7.2	--	--	231
05...	0910	QC - Surface water, replicate	--	--	--	--	--	--	--
14...	0945	Surface water, regular	495	761	8.4	7.5	--	--	291
24...	0745	Surface water, regular	565	761	8.5	7.3	--	--	244
<b>Aug</b>									
07...	1000	Surface water, regular	103	759	8.4	7.5	6.6	337	345
<b>Sep</b>									
07...	1415	Surface water, regular	1,300	--	--	--	--	--	--
27...	1030	Surface water, regular	518	763	9.4	7.4	--	--	267

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 6 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium mg/L (00915)	Magnes- ium, mg/L (00925)	Potas- sium, mg/L (00935)	Sodium, mg/L (00930)	Chlor- ide, mg/L (00940)	Fluor- ide, mg/L (00950)	Silica, water, filtrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, filtrd, mg/L (00945)	Residue on evap. at 180degC (70300)	Residue fixed at wat flt (00540)	Residue non- filter- able, mg/L (00530)
<b>Jul</b>													
02...	25.5	21.9	--	--	--	--	--	9.3	--	--	--	19	
05...	24.0	22.6	--	--	--	--	--	6.1	--	--	--	59	
05...	24.0	22.6	--	--	--	--	--	6.1	--	--	--	63	
14...	24.0	24.1	--	--	--	--	--	7.4	--	--	--	82	
24...	21.0	23.3	--	--	--	--	--	5.7	--	--	--	253	
<b>Aug</b>													
07...	29.5	23.4	21.7	5.66	6.36	31.1	48.3	.31	7.73	19.5	203	--	
<b>Sep</b>													
07...	--	--	--	--	--	--	--	5.9	--	--	72	82	
27...	24.0	19.2	--	--	--	--	--	5.5	--	--	99	112	

## 01594440 PATUXENT RIVER NEAR BOWIE, MD—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 7 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Residue vola- tile, sus- pended, mg/L (00535)	Ammonia water, fltrd, mg/L (00608)	Nitrate + nitrite water (00631)	Partic- ulate nitro- gen, water, (00613)	Total nitro- gen, wat flt by anal (49570)	Ortho- phosphate, water, unfltrd (62854)	Phos- phorus, water, fltrd, mg/L (00600)	Phos- phorus, water, unfltrd (00671)	Total carbon, suspnd sedimnt (00665)	Inor- ganic carbon, suspnd sedimnt (00694)	Organic carbon, suspnd sedimnt (00689)	
<b>Jul</b>												
02...	<10	.074	1.01	.016	.10	1.52	1.6	.022	.033	.093	.9	<.04
05...	16	.095	.65	.017	.29	1.16	1.4	.022	.035	.198	2.5	E.1
05...	16	.103	.64	.018	.26	1.15	1.4	.021	.032	.188	2.4	E.1
14...	36	.086	.92	.016	.38	1.36	1.7	.026	.038	.245	4.4	<.04
24...	35	.072	.98	.015	1.03	1.42	2.4	.020	.031	.32	10.9	.2
<b>Aug</b>												
07...	<10	.067	1.00	.012	.09	1.41	1.5	.041	.053	.128	.8	<.04
<b>Sep</b>												
07...	10	.043	.58	.009	.39	.97	1.4	.024	.040	.225	3.7	E.1
27...	13	.043	1.07	.007	.52	1.58	2.1	.023	.038	.308	5.8	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 8 of 8

[QC, quality control sample. Remark codes: &lt;, less than; E, estimated; V, value affected by contamination.]

Date	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, μg/L (01046)	Mangan- ese, water, fltrd, μg/L (01056)	sediment concen- tration mg/L (80154)	Sam- pler code (84164)	Sam- pling type, code (82398)	Data base number	Medium code
<b>Jul</b>								
02...	4.7	--	--	21	3060	40	01	WS
05...	5.3	--	--	84	3060	40	01	WS
05...	6.5	--	--	83	3060	40	33	WSQ
14...	5.7	--	--	117	3060	40	01	WS
24...	4.4	--	--	307	3060	40	01	WS
<b>Aug</b>								
07...	4.3	213	124	19	3060	40	01	WS
<b>Sep</b>								
07...	5.7	--	--	135	3051	10	01	WS
27...	5.0	--	--	129	3060	40	01	WS